

CLAIMS

1. A transmitting apparatus comprising:

symbol rate determining means for determining a
5 symbol rate of a transmitting signal based on a
channel variable speed between transmission and
reception; and

transmitting means for radio transmitting data
based on said symbol rate.

10 2. The transmitting apparatus according to claim 1,
wherein said symbol rate determining means
determines a symbol rate such that the product of
transmitting time per one symbol and the channel
variable speed becomes a constant value.

15 3. The transmitting apparatus according to claim 1,
wherein said symbol rate determining means
determines a symbol rate whose error rate becomes
minimum based on the channel variable speed and
relative delay time of multipaths.

20 4. The transmitting apparatus according to claim 1,
wherein said symbol rate determining means
determines a symbol rate whose error rate becomes
minimum based on the channel variable speed and a
delay profile.

25 5. The transmitting apparatus according to claim 1,
further comprising carrier wave frequency
controlling means for controlling a central
frequency of a carrier wave based on the symbol rate.

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7. The transmitting apparatus according to claim 1,
5 wherein said symbol rate determining means extracts
information of the symbol rate from a signal
transmitted from the other end of communication.

receiving means for extracting received data
10 from a signal transmitted from the transmitting
apparatus described in claim 7;

15 symbol rate determining means for determining a
symbol rate based on the estimated channel
variation; and

9. A base station apparatus having a transmitting apparatus thereon, said transmitting apparatus comprising:

transmitting means for radio transmitting data

based on said symbol rate.

10. A base station apparatus having a receiving apparatus thereon, said receiving apparatus comprising:

5 receiving means for extracting received data from a signal transmitted from the transmitting apparatus described in claim 7;

channel variation estimating means for estimating a channel variation based on the received
10 data;

symbol rate determining means for determining a symbol rate based on the estimated channel variation; and

transmitting means for transmitting a signal
15 indicative of the determined symbol rate to said transmitting apparatus.

11. A communication terminal apparatus having a transmitting apparatus thereon, said transmitting apparatus comprising:

20 symbol rate determining means for determining a symbol rate of a transmitting signal based on a channel variable speed between transmission and reception; and

transmitting means for radio transmitting data
25 based on said symbol rate.

12. A communication terminal apparatus having a receiving apparatus thereon, said receiving apparatus comprising:

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receiving means for extracting received data from a signal transmitted from the transmitting apparatus described in claim 7;

channel variation estimating means for
5 estimating a channel variation based on the received data;

symbol rate determining means for determining a symbol rate based on the estimated channel variation; and

10 transmitting means for transmitting a signal indicative of the determined symbol rate to said transmitting apparatus.

13. A transmitting method wherein a channel variable speed between transmission and reception is
15 detected to increase a symbol rate of a transmitting signal in an increase in said channel variable speed.

14. A transmitting method wherein a channel variable speed between transmission and reception is
20 detected to determine a symbol rate of a transmitting signal having the highest error rate characteristic from the channel variable speed and relative delay time of multipaths.

15. A transmitting method wherein a channel variable
25 speed between transmission and reception is detected to determine a symbol rate of a transmitting signal having the highest error rate characteristic from the channel variable speed and

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a delay profile.

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